

IN THE CLAIMS

Please amend the claims as follows.

- 1 1. (Currently Amended) An apparatus comprising:
 - 2 at least one processor;
 - 3 a memory coupled to the at least one processor;
 - 4 a plurality of logical partitions defined on the apparatus;
 - 5 a partition manager residing in the memory and executed by the at least one
 - 6 processor, the partition manager managing the plurality of logical partitions, the partition
 - 7 manager comprising:
 - 8 an I/O reconfiguration mechanism that reconfigures identified I/O; and
 - 9 a logical partition suspend/resume mechanism that suspends at least one of
 - 10 the plurality of logical partitions before the I/O reconfiguration mechanism
 - 11 reconfigures the identified I/O by inhibiting dispatch of tasks to the at least one
 - 12 logical partition without notifying the at least one logical partition and waiting
 - 13 until all pending tasks in the at least one logical partition are complete, and that
 - 14 resumes all suspended logical partitions after the I/O reconfiguration mechanism
 - 15 reconfigures the identified I/O by enabling dispatch of tasks to the at least one
 - 16 logical partition.
- 1 2. (Original) The apparatus of claim 1 wherein the logical partition suspend/resume
- 2 mechanism suspends all of the plurality of logical partitions.
- 1 3. (Original) The apparatus of claim 1 wherein the logical partition suspend/resume
- 2 mechanism suspends only the logical partitions that own the identified I/O.

1 4. (Currently Amended) An apparatus comprising:
2 at least one processor;
3 a memory coupled to the at least one processor;
4 a plurality of logical partitions defined on the apparatus; and
5 a partition manager residing in the memory and executed by the at least one
6 processor, the partition manager performing the steps of:
7 (1) detecting when identified I/O requires reconfiguration;
8 (2) suspending at least one of the plurality of logical partitions by
9 inhibiting dispatch of tasks to the at least one logical partition without notifying
10 the at least one logical partition and waiting until all pending tasks in the at least
11 one logical partition are complete;
12 (3) reconfiguring the identified I/O; and
13 (4) resuming all logical partitions suspended in step (2) by enabling
14 dispatch of tasks to all logical partitions suspended in step (2).

1 5. (Currently Amended) An apparatus comprising:
2 at least one processor;
3 a memory coupled to the at least one processor;
4 a plurality of logical partitions defined on the apparatus;
5 a partition manager residing in the memory and executed by the at least one
6 processor, the partition manager performing the steps of:
7 (1) quiescing identified I/O;
8 (2) suspending at least one of the plurality of logical partitions that owns at
9 least a portion of the identified I/O by inhibiting dispatch of tasks to the at least
10 one logical partition without notifying the at least one logical partition and waiting
11 until all pending tasks in the at least one logical partition are complete;
12 (3) reconfiguring the identified I/O;
13 (4) enabling the reconfigured identified I/O; and
14 (5) resuming all logical partitions suspended in step (2) by enabling
15 dispatch of tasks to all logical partitions suspended in step (2).

1 6. (Currently Amended) A computer-implemented method for reconfiguring identified
2 I/O in a computer system that includes a plurality of logical partitions, the method
3 comprising the steps of:
4 (1) suspending at least one of the plurality of logical partitions by inhibiting
5 dispatch of tasks to the at least one logical partition without notifying the at least one
6 logical partition and waiting until all pending tasks in the at least one logical partition are
7 complete;
8 (2) reconfiguring the identified I/O; and
9 (3) resuming all logical partitions suspended in step (1) by enabling dispatch of
10 tasks to all logical partitions suspended in step (1).

1 7. (Original) The method of claim 6 wherein step (1) comprises the step of suspending
2 all of the plurality of logical partitions.

1 8. (Original) The method of claim 6 wherein step (1) comprises the step of suspending
2 only the logical partitions that own the identified I/O.

1 9. (Currently Amended) A computer-implemented method for reconfiguring identified
2 I/O in a computer system that includes a plurality of logical partitions, the method
3 comprising the steps of:
4 (1) detecting when the identified I/O requires reconfiguration;
5 (2) suspending at least one of the plurality of logical partitions by inhibiting
6 dispatch of tasks to the at least one logical partition without notifying the at least one
7 logical partition and waiting until all pending tasks in the at least one logical partition are
8 complete;
9 (3) reconfiguring the identified I/O; and
10 (4) resuming all logical partitions suspended in step (2) by enabling dispatch of
11 tasks to all logical partitions suspended in step (2).

1 10. (Currently Amended) A computer-implemented method for reconfiguring identified
2 I/O in a computer system that includes a plurality of logical partitions, the method
3 comprising the steps of:
4 (1) quiescing identified I/O;
5 (2) suspending at least one of the plurality of logical partitions that owns at least a
6 portion of the identified I/O by inhibiting dispatch of tasks to the at least one logical
7 partition without notifying the at least one logical partition and waiting until all pending
8 tasks in the at least one logical partition are complete;
9 (3) reconfiguring the identified I/O;
10 (4) enabling the reconfigured identified I/O; and
11 (5) resuming all logical partitions suspended in step (2) by enabling dispatch of
12 tasks to all logical partitions suspended in step (2).

1 11. (Currently Amended) A program product comprising:
2 (A) a logical partition suspend/resume mechanism that suspends at least one of a
3 plurality of logical partitions before identified I/O is reconfigured by inhibiting dispatch
4 of tasks to the at least one logical partition without notifying the at least one logical
5 partition and waiting until all pending tasks in the at least one logical partition are
6 complete, the logical partition suspend/resume mechanism resuming all suspended logical
7 partitions after the identified I/O is reconfigured by enabling dispatch of tasks to the at
8 least one logical partition; and
9 (B) recordable ~~computer-readable signal bearing~~ media bearing the logical
10 partition suspend/resume mechanism.

1 12. (Cancelled)

1 13. (Cancelled)

1 14. (Original) The program product of claim 11 wherein the logical partition
2 suspend/resume mechanism suspends all of the plurality of logical partitions.

1 15. (Original) The program product of claim 11 wherein the logical partition
2 suspend/resume mechanism suspends only the logical partitions that own the identified
3 I/O.

1 16. (Currently Amended) A program product comprising:
2 (A) a partition manager that performs the steps of:
3 (1) detecting when identified I/O requires reconfiguration;
4 (2) suspending at least one of a plurality of logical partitions by inhibiting
5 dispatch of tasks to the at least one logical partition without notifying the at least
6 one logical partition and waiting until all pending tasks in the at least one logical
7 partition are complete;
8 (3) reconfiguring the identified I/O; and
9 (4) resuming all logical partitions suspended in step (2) by enabling
10 dispatch of tasks to all logical partitions suspended in step (2); and
11 (B) recordable ~~computer readable signal bearing~~ media bearing the partition
12 manager.

1 17. (Cancelled)

1 18. (Cancelled)

1 19. (Currently Amended) A program product comprising:
2 (A) a partition manager that performs the steps of:
3 (1) quiescing identified I/O;
4 (2) suspending at least one of a plurality of logical partitions that owns at
5 least a portion of the identified I/O by inhibiting dispatch of tasks to the at least
6 one logical partition without notifying the at least one logical partition and waiting
7 until all pending tasks in the at least one logical partition are complete;
8 (3) reconfiguring the identified I/O;
9 (4) enabling the reconfigured identified I/O; and
10 (5) resuming all logical partitions suspended in step (2) by enabling
11 dispatch of tasks to all logical partitions suspended in step (2); and
12 (B) recordable ~~computer readable signal bearing~~ media bearing the partition
13 manager.

1 20. (Cancelled)

1 21. (Cancelled)